V25451

aiwa

HV-GX900K

VHS
PAL

VIDEO CASSETTE RECORDER

OPERATING INSTRUCTIONS

VIDEO Plus+®

Warning
(FOR USE IN THE UNITED KINGDOM)

This appliance is supplied with a fitted three pin mains plug.
A 3 amp fuse is fitted in the plug. Should the fuse need to be replaced, use a 3 amp fuse approved by ASTA or BSI to BS 1362. When replacing the fuse, you must ensure that any removable fuse covers are correctly refitted.
If you should lose the fuse cover, please contact your nearest AIWA dealer.

DO NOT CUT OFF THE PLUG FROM THIS APPLIANCE

If the plug fitted is not suitable for the power points in your home, or the cable is too short to reach a power point, obtain an appropriate safety approved extension lead or adaptor. If in any doubt please consult a qualified electrician.

If the plug is cut off, remove the fuse and dispose of the plug immediately. **THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMP SOCKET.**

If a new plug is to be fitted, please ensure it contains a 3 amp fuse, otherwise the circuit should be protected by a 5 amp fuse at the distribution board.

IMPORTANT

The wires in the mains lead are coloured in accordance with the following code:

BLUE — NEUTRAL
BROWN — LIVE

As the colours of the wires in the mains lead of this appliance may not correspond with the colour markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured BLUE must be connected to the terminal which is marked by the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal which is marked by the letter L or coloured RED.

DO NOT connect either the BLUE or BROWN wire of the mains lead to the earth terminal (marked with the letter E or by the earth symbol ⏚ or coloured GREEN or GREEN/YELLOW) of a three pin plug.

Warning

To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

Precautions

Important

- Use only VHS-marked cassettes with this unit.
- This unit is designed to receive and record using the PAL colour system, and playback using the PAL and NTSC colour system.
- Audio/video material may consist of copyrighted work which must not be recorded without the authorisation of the owner of the copyright. Please refer to the relevant laws in your country.

Installing

- The unit should be situated with adequate space around it so that proper heat ventilation is assured. Allow 10 cm clearance from the unit.
  - Do not place the unit on a bed, rug, or similar surface that may block the ventilation openings.
  - Do not install the unit in a bookcase, cabinet, or airtight rack where ventilation may be impeded.
- Keep the unit away from radiators and other heat sources.
- Avoid using the unit near strong magnetic fields.
- Use the unit in the horizontal position only.
- Install the unit at least one metre away from radios and receivers. Otherwise, noise may occur during radio reception.
- Do not place heavy objects on the unit.

Cautions

- Do not open the cabinet of the unit.
- Do not push any kind of object into the unit through the cabinet openings as they could touch current carrying parts, which may result in short-circuit, fire, electric shock, or damage to the unit.
- Do not spill liquid of any kind on this unit. If any liquid is spilled over the unit, immediately disconnect the unit from the mains, and consult a qualified service engineer.
- Do not put your hand into the tape compartment.
- When the system is not used for an extended period of time, disconnect the mains lead. When the lead is plugged in, a small amount of current continues to flow to the system, even when the power is turned off.
- When there is lightning, immediately disconnect the unit from the mains and never touch the aerial cable.

Note on moisture condensation

Moisture may condense inside the unit and cause damage to the unit and tape when the unit is moved from a cold to a warm place, after heating a cold room, or under conditions of high humidity. If any of above conditions is applied, place the unit in a well-ventilated area and wait for about two hours before operating the unit, until the unit is warmed to room temperature and the moisture evaporates completely.

Maintenance

Professional periodic maintenance is required to keep the optimum performance of the unit. Maintenance and adjustments to internal components should not be done by the user. Please consult your dealer if you have any trouble with the unit.

Cleaning the unit

Wipe the cabinet clean using a damp soft cloth with diluted detergent. Never use thinner or benzine since they will damage the cabinet surface.

Cleaning the video heads

Although the unit cleans the video heads automatically, dirt may be accumulated after a long period of use. If the playback picture is blurred or noisy while the TV programmes are received clearly, the video heads may be dirty. In this case, clean the video heads using a commercially available video heads cleaning tape.

ATTENTION

- Please ensure that you keep a record of the Security "PIN" code in a safe place, in case you forget it.
- If your Video Recorder needs to be serviced, please ensure that the Anti-Theft feature is turned OFF, otherwise the repairer will be unable to service the unit.
- If you have difficulty with the Security feature, please contact the Aiwa Customer Helpdesk on: **0990 902 902.**

Welcome

Thank you for purchasing this AIWA product. To optimize the performance of this unit, please read through this operating instructions carefully.

Main features of this VCR

Anti-Theft

You can limit the number of users if you enter your name, post code, and PIN code into this VCR. The VCR does not work if PIN code is entered incorrectly.

VIDEO Plus+* system and One-Touch Playback

You can easily set the timer with the VIDEO Plus+ system.
The recorded TV programmes can be played back quickly with One-Touch Playback.

Power Save Mode

You can reduce the power spending during the standby mode.

NTSC Playback on PAL-TV

Tapes recorded in the NTSC system can be played back on this VCR.

* VIDEO Plus+®

VIDEO Plus+ and PlusCode are registered trademarks of Gemstar Development Corporation. The VIDEO Plus+ system is manufactured under license from Gemstar Development Corporation.

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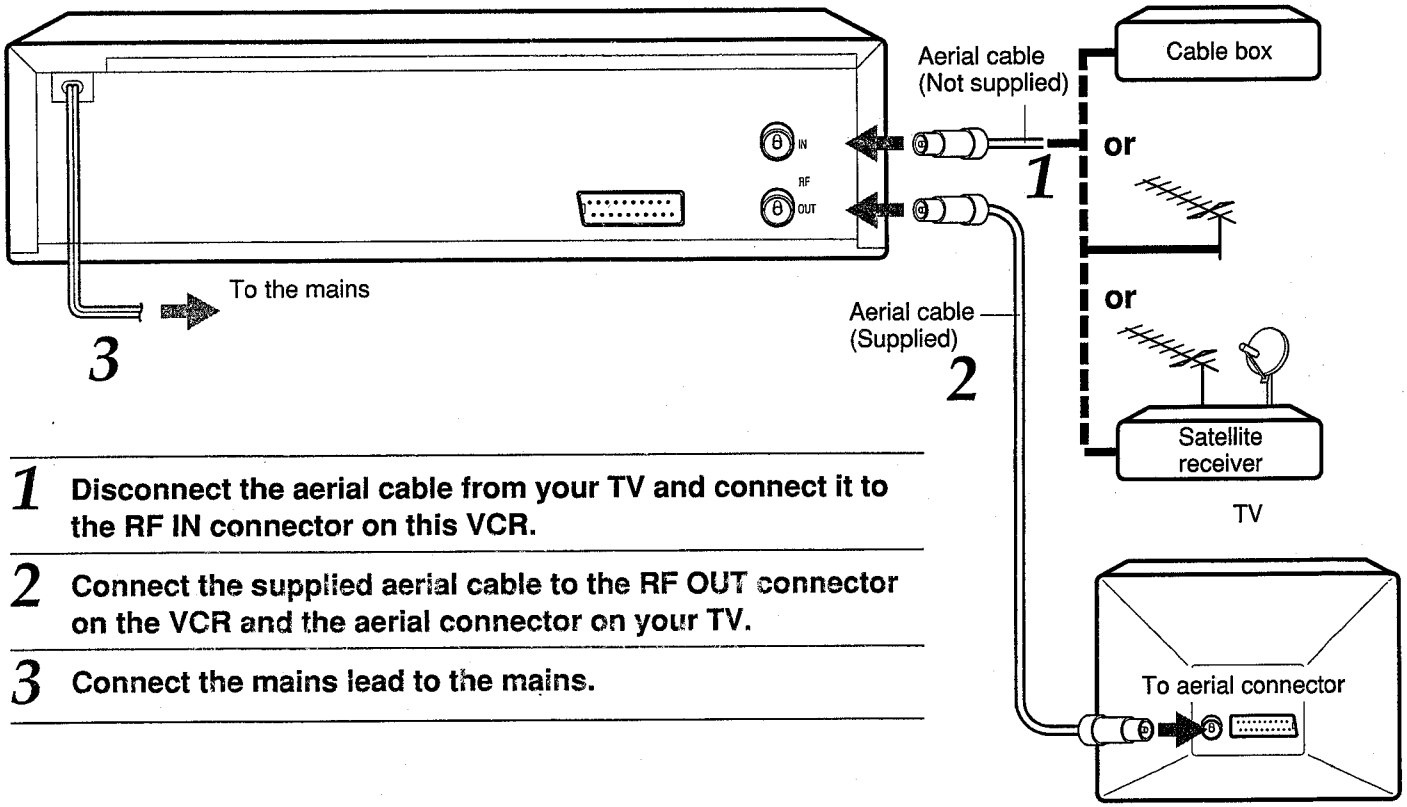
Connecting the VCR

Basic connections



1 **Disconnect the aerial cable from your TV and connect it to the RF IN connector on this VCR.**

2 **Connect the supplied aerial cable to the RF OUT connector on the VCR and the aerial connector on your TV.**

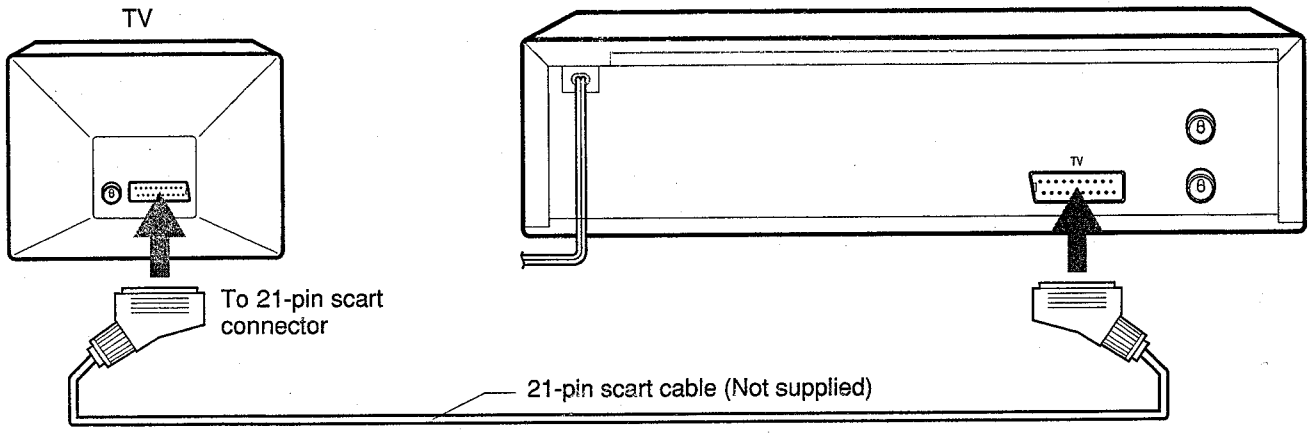
3 **Connect the mains lead to the mains.**

Additional connections

In addition to the basic connections shown above

To connect to the TV with a 21-pin scart connector

This connection improves the picture and sound quality.
Connect the VCR and the TV with an optional 21-pin scart cable.



Caution

If you have connected the VCR to the TV with a 21-pin scart cable, depending on the TV, the channel on the TV may change to AV or AUX when the VCR turns the TV power on.
If you want to return to the normal TV broadcast, press TV/VCR to turn off "VCR" in the display window.

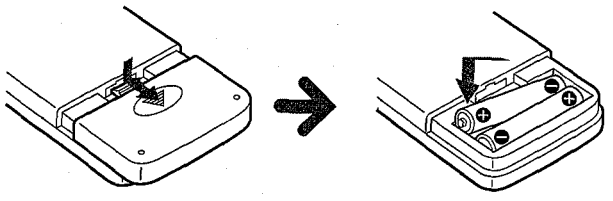
Preparing the remote control

Inserting the batteries

Caution

To prevent damage from leakage or explosion, follow the descriptions below.

- **Insert two supplied R03 (size AAA) batteries with the ⊕ and ⊖ marks correctly as illustrated.**
- **Do not mix old batteries with new ones or different types of batteries.**
- **Do not throw the batteries into a fire, apply heat to them or take them apart.**
- **Do not carry the batteries with keys or other metallic objects.**

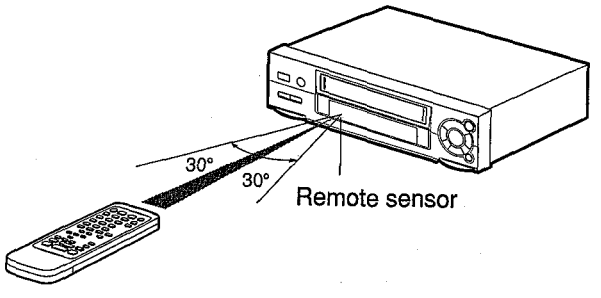


Note

Remove the batteries when they have no more power, or when you do not use the remote control for a long period of time.

Using the remote control

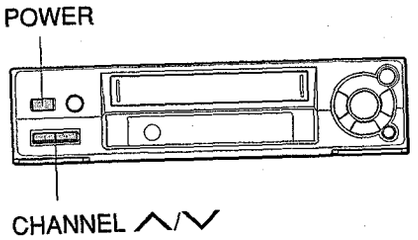
Point the remote control toward the remote sensor.



Notes

- The remote control may not operate when there is any obstruction between the remote control and the remote sensor.
- Strong ambient light sources such as a fluorescent lamp or direct sunlight may cause unreliable operation.
- Using a TV with the same type of infrared remote control facing the same direction may cause incorrect operation.
- The maximum distance for effective control between the remote control and the remote sensor is 7 metres.
- Although you can use the remote control within an angle of up to 30 degrees in any direction from directly in front of the remote sensor, we recommend a narrower angle for stable operation.

Tuning your TV to the VCR



If you have connected the VCR to the TV with a 21-pin scart cable, this procedure is not necessary .

1 During power off, press and hold POWER on the VCR for more than 3 seconds.

"OUT52" appears in the display window.

2 Select an unused channel position on the TV and tune the TV so that the black and white test pattern appears clearly on the TV screen.

Refer to the TV operating instructions for tuning.

3 Press POWER to turn off the VCR.

Your VCR is now tuned to your TV.

Whenever you want to play back a tape, select this channel position.

If there is interference on the picture (wavy lines, picture roll, etc.)

1 During power off, press and hold POWER on the VCR for more than 3 seconds.

The black and white test pattern appears on the TV screen.

2 Press CHANNEL ∧/∨ to select another channel.

You can select any number between 23 and 69. We recommend you try to select the number 67 or 57.

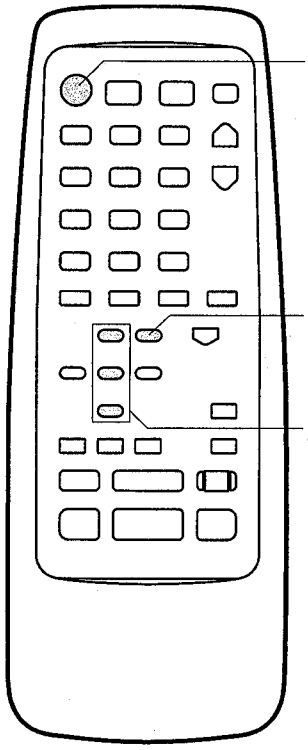
3 Tune the TV so that the black and white test pattern appears clearly on the TV screen.

4 Press POWER to turn off the VCR.

If there is still interference on the screen

Connect the VCR to the TV with a 21-pin scart cable.
During power off, press and hold POWER on the VCR for more than 3 seconds. Then press CHANNEL ∧/∨ repeatedly to display "OFF" in the display window. And press POWER.
You do not have to tune in a dedicated VCR output channel.
Whenever you want to play back a tape, simply select a channel on your TV called AV or AUX. (See your TV instructions.)

Setting the language



The on-screen menu can display three languages: English, German and French.

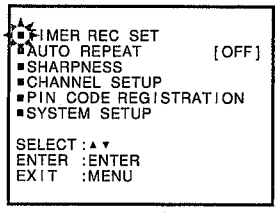
1 **Press POWER to turn on the VCR.**

2 **Turn on the TV and set it for VCR reception.**

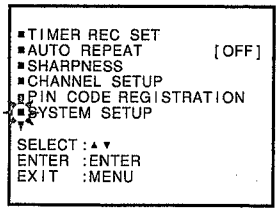
- When the VCR and the TV are connected with a 21-pin scart cable, set the TV to the channel called AV or AUX.
- When they are connected with only the aerial cable, set the TV to the VCR output channel.

3 **Press MENU.**

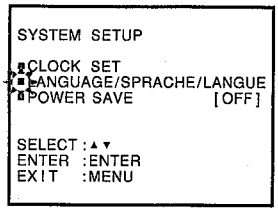
- When you press MENU for the first time after unpacking the VCR, the language menu in step 6 appears. Go to step 6.
- If the clock is not set, the SYSTEM SETUP menu in step 5 appears. Go to step 5.



4 **Press ▲/▼ to select SYSTEM SETUP, then press ENTER.**

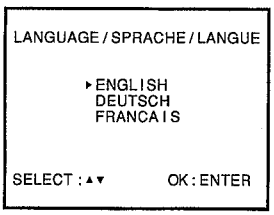


5 **Press ▲/▼ to select LANGUAGE, then press ENTER.**



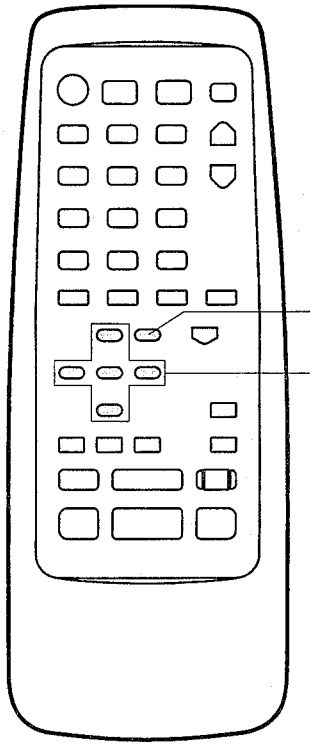
6 **Press ▲/▼ to select the desired language, then press ENTER.**

Each time you press ▲/▼, the on-screen display language changes.



7 **Press MENU twice to return to the normal screen.**

Setting the clock

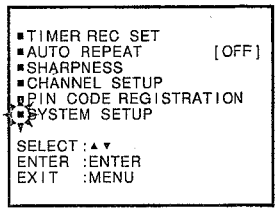


You must set the date and time manually for timer recordings.

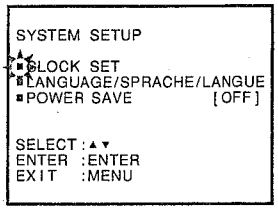
1 **Press MENU.**

If the clock is not set, the SYSTEM SETUP menu in step 3 appears. Go to step 3.

2 **Press ▲/▼ to select SYSTEM SET-UP, then press ENTER.**

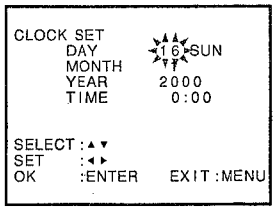


3 **Press ▲/▼ to select CLOCK SET, then press ENTER.**

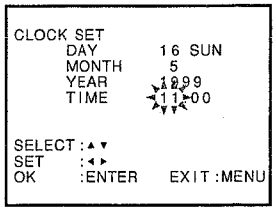


4 **Press ◀/▶ to set the day, then press ▼.**

The day of the week will automatically appear.

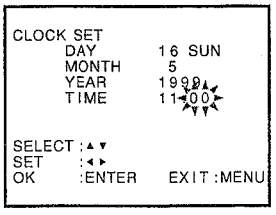


5 **Set the month, year and hours in the same way as in step 4.**



6 **Press ◀/▶ to set the minutes.**

To change the minute setting in ten minutes, press and hold ◀/▶.



7 **Press ENTER to start the clock.**

8 **Press MENU twice to return to the normal screen.**

Tip

When the power supply is interrupted for more than 30 minutes, the clock setting is cleared. In this case, you have to set the clock again.

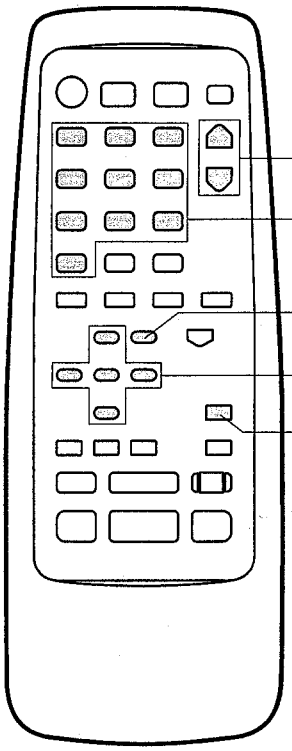
Note

The date can be set from A.D. 1990 to A.D. 2081.

To correct the digits while setting

Before pressing ENTER in step 7, press ▲/▼ until the item you want to correct flashes, then press ◀/▶ to set the correct data.

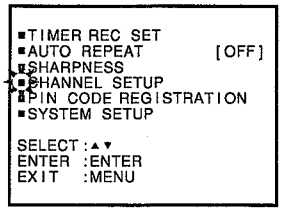
Setting the VCR channels



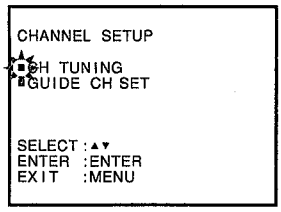
You must set the VCR channels for recording TV programmes.

1 **Press MENU.**

2 **Press ▲/▼ to select CHANNEL SETUP, then press ENTER.**



3 **Press ▲/▼ to select CH TUNING, then press ENTER.**

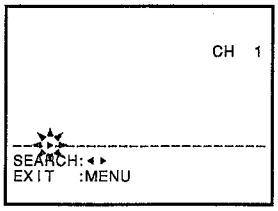


4 **Press ▶ to scan up (or ◀ to scan down) the TV stations.**

The scan bar appears.

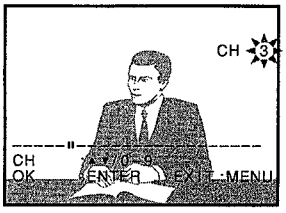
If the TV station is received, the VCR will stop scanning and display the TV programme.

If the displayed programme is not the TV station you want to set, press ◀/▶ to scan the another TV station.



5 **Press ENTER.**

6 **Press ▲/▼ or the number buttons to select the channel position for the scanned TV station so it corresponds to the following chart, then press ENTER.**



Channel position	TV station
1	BBC1
2	BBC2
3	ITV
4	CH4
5	CH5
6	Satellite/ Cable TV (Set SKY ONE if the satellite receiver or cable TV is connected with only the aerial cable.)

(The correct channel assignment is necessary for timer recording with VIDEO Plus+ system.)

7 **Repeat steps 4 through 6 until all the required TV stations are set.**

8 **Press MENU 3 times to return to the normal screen.**

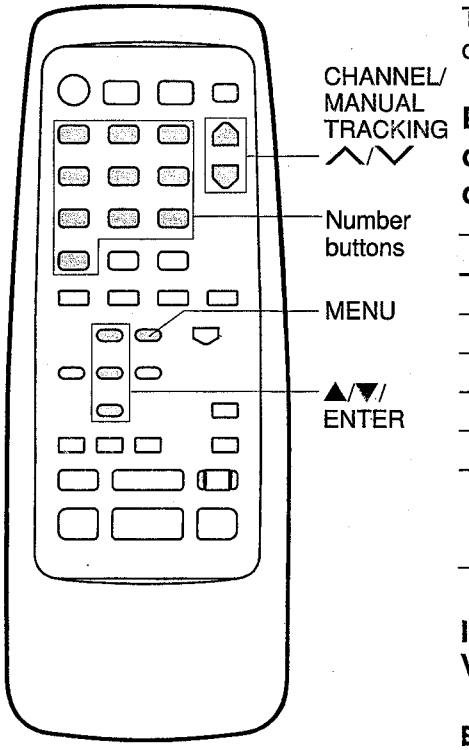
Tip

To skip unnecessary channels when you press CHANNEL/MANUAL TRACKING ∧/∨, select the channel you want to skip using the number buttons or CHANNEL/MANUAL TRACKING ∧/∨.
Then press CANCEL/CH. SKIP so that the channel position flashes.
To cancel the skip setting, select the skipped channel using the number buttons, then press CANCEL/CH. SKIP. The channel position lights.

Note

You cannot select CH TUNING in step 3 when the VCR is in AV mode.

Checking the channel set-up



To set the timer using VIDEO Plus+ system, you have to check whether the correct TV stations are assigned to the correct channel positions.

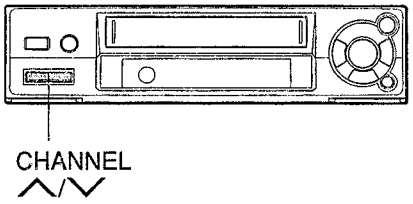
Press CHANNEL/MANUAL TRACKING ∧/∨ on the remote control or CHANNEL ∧/∨ on the VCR to check that each channel position has the following TV station.

Channel position	TV station
CH1	BBC1
CH2	BBC2
CH3	ITV
CH4	CH4
CH5	CH5
CH6	Satellite/ Cable (Set SKY ONE if the satellite receiver or cable TV is connected with the aerial cable.)

If a TV station does not match the correct channel position, the VIDEO Plus+ system does not function correctly. See example.

Example

If the VCR tunes "BBC2" to channel position "7," allocate the corresponding channel (GUIDE CH) position "2" to the actual channel (VCR CH) position "7."

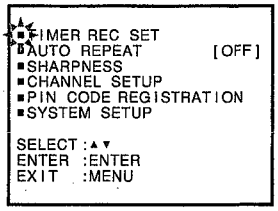


Tip

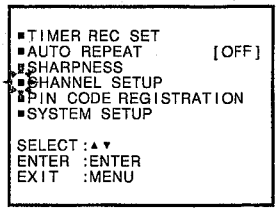
If you connect a satellite receiver or cable box to the VCR, you must select SAT or CABLE as the GUIDE CH in step 4.

1 **Press MENU.**

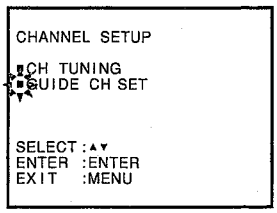
If the clock is not set, the SYSTEM SETUP menu appears. Press MENU again to return to the MENU screen.



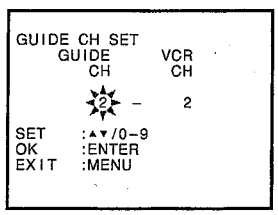
2 **Press ▲/▼ to select CHANNEL SETUP, then press ENTER.**

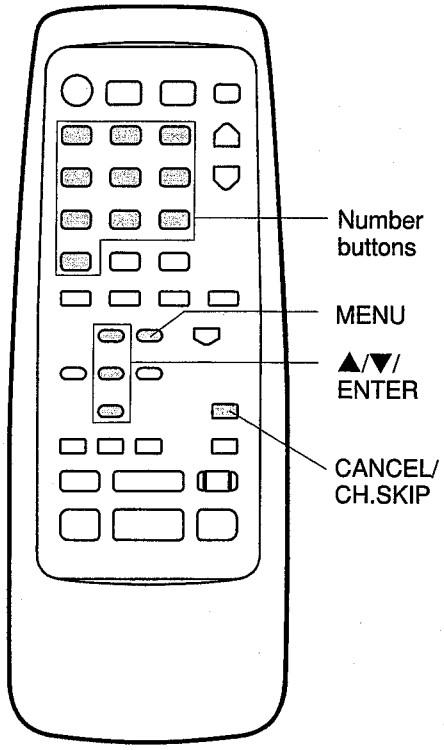


3 **Press ▲/▼ to select GUIDE CH SET, then press ENTER.**



4 **Press ▲/▼ or number buttons to select the GUIDE CH number "2," then press ENTER.**

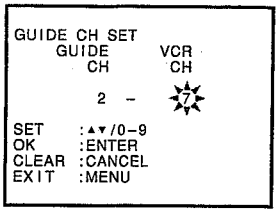




5 Press ▲/▼ or number buttons to select the VCR CH number "7," then press ENTER.

- When selecting the numbers less than 10 using the number buttons, press 0 to enter the tens digit, then press the buttons 1 through 9 to enter the ones digit.
- To change the VCR CH setting in ten units, press and hold ▲/▼.

10 → 20 → ..... → 70 → 80 → AV



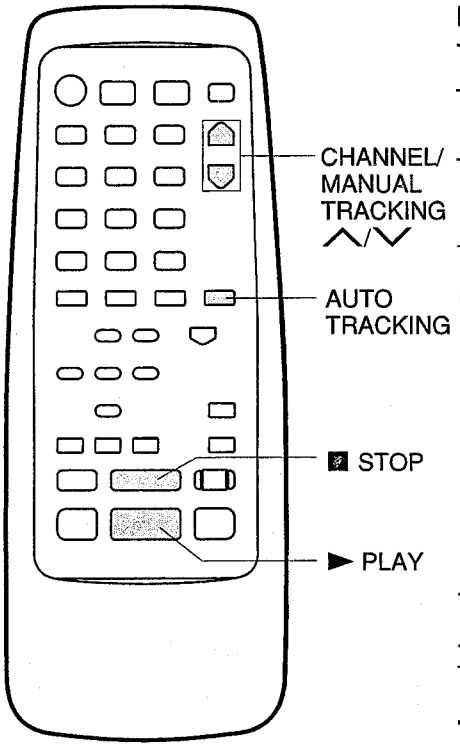
6 Repeat steps 4 and 5 if there are other TV stations which do not match the corresponding channels.

7 Press MENU 3 times to return to the normal screen.

Tip

To cancel the VCR CH setting in step 5, press CANCEL/CH. SKIP.

Playing back a tape



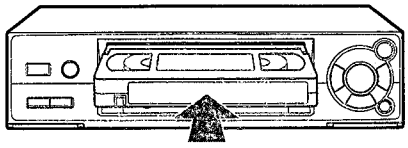
Before starting

Turn on the VCR and the TV, and set the TV for VCR reception.

– When the VCR and the TV are connected with a 21-pin scart cable, set the TV to the channel called AV or AUX.

– When they are connected with only the aerial cable, set the TV to the VCR output channel.

1 Insert a cassette.



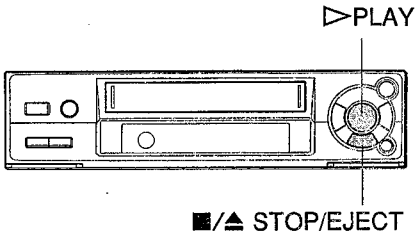
The power turns on automatically.

Playback starts immediately if the erasure prevention tab has been removed from the cassette.

2 Press ► PLAY to start playback.

To stop playback

Press ■ STOP on the remote control or ■/⏏ STOP/EJECT on the VCR.



If you cannot get a clear playback picture

Although the VCR adjusts the tracking automatically, you may need to adjust the tracking manually if the tape quality is too poor.

While the VCR is adjusting the tracking automatically, "ATR" (Automatic Tracking) flashes in the display window. It lights steadily after the adjustment is complete.

If the picture and the sound have noise, try manual tracking.

Notes

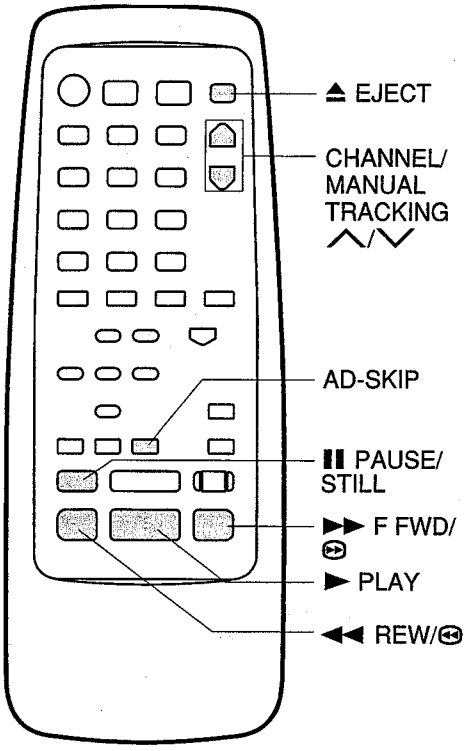
- When the tape reaches the end during playback, fast-forward, forward search or index search, the VCR automatically rewinds the tape to the beginning, ejects the cassette, and turns the power off.
  (Auto rewind function)
- The VCR selects the tape speed, SP or LP, automatically.
- When a cassette is inserted, the clock display changes to tape counter display.

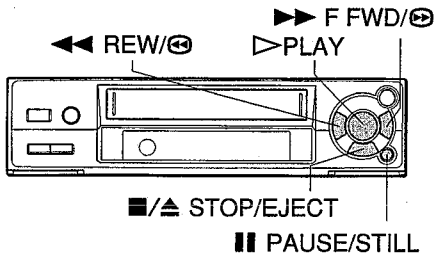
To adjust the tracking manually

During playback, press CHANNEL/MANUAL TRACKING ∧/∨ repeatedly until you get the best possible picture. (Automatic Tracking is cancelled and "ATR" goes off.)

To return to automatic tracking

Press AUTO TRACKING.





Additional functions

To	Press	To return to the original mode
Make a picture still	❚❚ PAUSE/STILL during playback	Press ► PLAY.
Fast-forward the tape	►► F FWD during stop	—
Rewind the tape	◄◄ REW during stop	—
Eject the cassette	⏏ EJECT on the remote control or ■/⏏ STOP/EJECT on the VCR during stop	—
Search forward at low speed	►► F FWD once during playback	Press ► PLAY.
Search forward at a higher speed	►► F FWD twice during playback	Press ► PLAY.
Search reverse at low speed	◄◄ REW once during playback	Press ► PLAY.
Search reverse at a higher speed	◄◄ REW twice during playback	Press ► PLAY.

You can switch the speed of forward and reverse searches by pressing ►► F FWD and ◄◄ REW repeatedly.

To watch the picture of a tape during fast-foward or rewind—skip search

You can watch a picture of tape during fast-forward or rewind mode. Hold down ►► F FWD or ◄◄ REW. The VCR switches forward or reverse search.
Release the button to return to the fast-forward or rewind mode.

To skip an advertisement

Press AD-SKIP during playback. The VCR searches forward approximately 30 seconds of the recorded time.
Each press of the button changes the recorded time of forward search up to 3 minutes as follows:

Press	Recorded time of forward search	Indication in the display window
once	30 seconds	CUE1
twice	1 minute	CUE2
3 times	1 minute 30 seconds	CUE3
4 times	2 minutes	CUE4
5 times	2 minutes 30 seconds	CUE5
6 times	3 minutes	CUE6

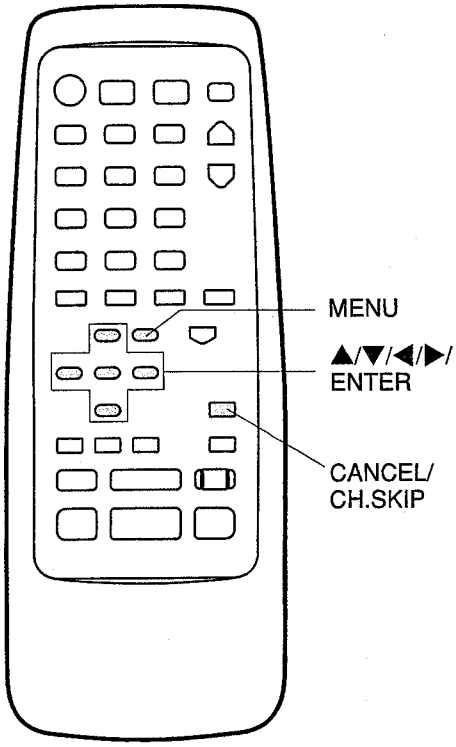
After forward search, VCR returns to the normal playback.
During AD-skip, the counter does not register blank portions with no recorded signal.

Tips

- If you press ⏏ EJECT or ■/⏏ STOP/EJECT while the power is off, the VCR automatically turns the power on, ejects the cassette, and turns the power off.
- Depending on the tape, the picture may be unstable during still. You can adjust unstable pictures by pressing CHANNEL/MANUAL TRACKING ∧/∨ repeatedly.
- Depending on the tape, noise lines may appear or colour may fade during forward and reverse searches, and still. You can move the noise lines by pressing CHANNEL/MANUAL TRACKING ∧/∨ repeatedly during foward and reverse searches or pressing ❚❚ PAUSE/STILL repeatedly during still.

Notes

- If a picture of forward search, reverse search or still lasts for more than 5 minutes, the VCR will automatically enter playback mode to protect the tape.
- The sound will be muted during forward and reverse searches, and still.

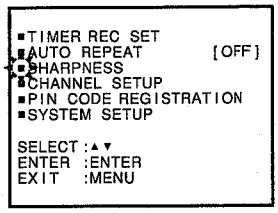


Adjusting the sharpness of the picture

You can make the playback picture clearer or softer.

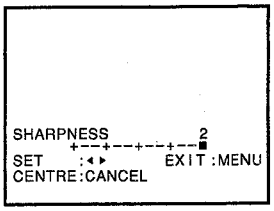
1 **Press MENU during playback.**

2 **Press ▲/▼ to select SHARPNESS, then press ENTER.**



3 **Within 10 seconds, press ◀/▶ to adjust the setting.**

Increasing the number makes the picture clearer, and decreasing the number makes the picture softer.



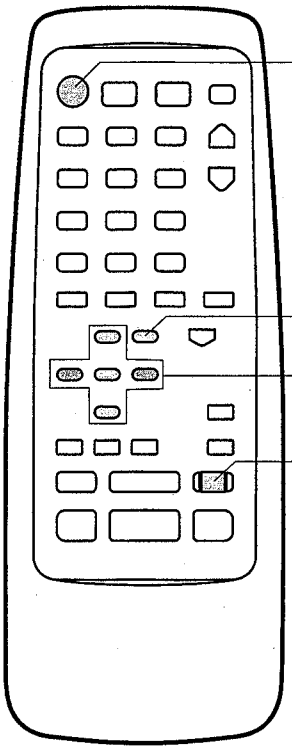
4 **Press MENU twice to return to the normal playback picture.**

Tip

To reset its initial setting, press CANCEL/CH. SKIP in step 3.

Note

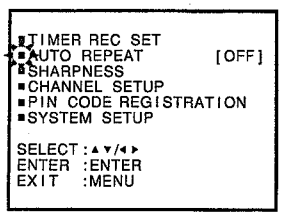
You can select SHARPNESS in step 2 only during playback.



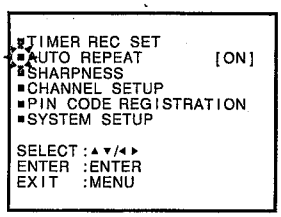
Playing back a tape repeatedly

1 **Press MENU.**

2 **Press ▲/▼ to select AUTO REPEAT.**



3 **Press ENTER or ◀/▶ to display ON.**



4 **Press MENU to return to the normal screen.**
The VCR plays back the tape to the end, rewinds to the beginning, then repeats playback.

To cancel repeat playback

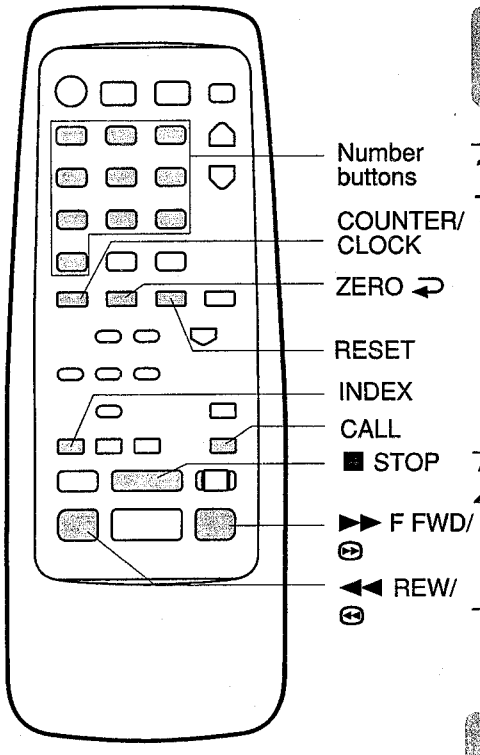
Press ENTER to display OFF in step 3. Repeat playback will also be cancelled by pressing POWER or ● REC/OTR, or ejecting the cassette.

Playing back the NTSC tape

Tapes recorded in the NTSC colour system can be played back on this VCR. If you play back the NTSC tape on this VCR, you can watch the picture on a PAL colour system TV.

- Depending on the tape, the playback picture shrinks vertically in some degree.
- Depending on the tape, the playback picture may scroll vertically on the screen. If your TV has a V-HOLD control, adjust for a stable picture. If not, you cannot stop scrolling.
- Depending on the tape, noise lines may appear or colour may fade during forward and reverse searches, and still.
- Although NTSC tapes can be played back on a PAL TV, these tapes cannot be dubbed by a PAL system VCR.
- Depending on the tape, the quality of the playback picture and sound are not clear and the auto tracking function may not be performed properly.

Various search functions



Rewinding or fast-forwarding to a specific point – Zero Return

1 Press RESET at the point you want to locate later.

- The tape counter in the display window resets to "0:00:00."
- When the clock display appears in the display window, press COUNTER/CLOCK.

2 After playback or recording, press ■ STOP, then ZERO .

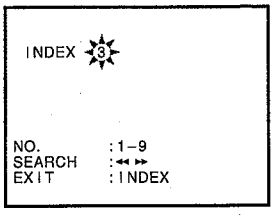
The tape automatically stops when the tape counter returns to about "0:00:00."

Searching with the index function – Index Search

The VCR automatically marks an index signal on the tape each time recording starts. You can use these signals to find the beginning of any recording.

1 Press INDEX during stop or playback.

2 Press the number buttons to select the index number (up to 9).



3 Within 10 seconds, press ►► F FWD (for succeeding programmes) or ◄◄ REW (for preceding programmes).

The VCR starts searching.

Playback starts automatically from the beginning of the specified recording.

To search the next index signal

Press INDEX during stop or playback, then press ►► F FWD or ◄◄ REW. When the next index signal is found, playback starts automatically.

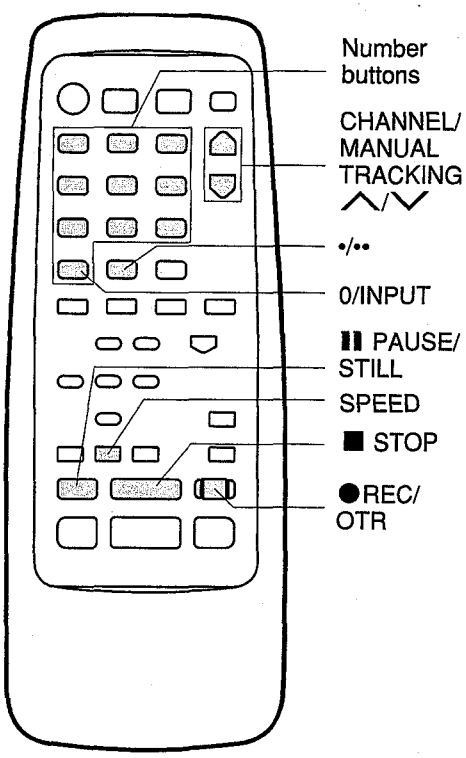
Tip

You can also see the tape counter on the TV screen by pressing CALL. See page 30.

Notes

- When you insert a cassette, the tape counter is reset to "0:00:00."
- The tape counter does not work while playing unrecorded portions of a tape.
- Index signals should be at least 2 minutes 30 seconds apart in SP mode and 5 minutes apart in LP mode. Otherwise, the VCR cannot detect them properly.
- Index signals may not be detected on damaged or worn out tapes.
- Index signal at the beginning of a recorded tape may not be detected.
- Index signal may not be detected if it is extremely close to the point where the search began.

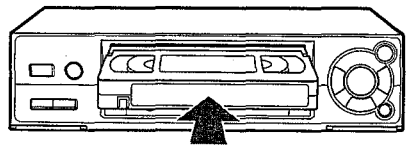
Recording a TV programme



Before starting

Turn on the VCR and the TV, and set the TV for VCR reception.
– When the VCR and the TV are connected with a 21-pin scart cable, set the TV to the channel called AV or AUX.
– When they are connected with only the aerial cable, set the TV to the VCR output channel.

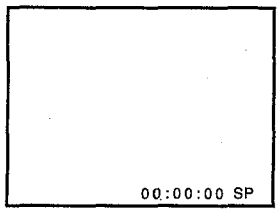
1 **Insert a cassette with its erasure prevention tab in place.**



The power turns on automatically.

2 **Press SPEED to select the tape speed, SP or LP.**

LP provides twice as much recording time as SP, although SP produces better picture and audio sounds.



3 **Press CHANNEL/MANUAL TRACKING ∧/∨ repeatedly or the number buttons to select the channel position to record.**

When selecting a number more than 10 using the number buttons, press the •/•• button and then press 0 through 9 to enter the tens and ones digits.

4 **Press ● REC/OTR to start recording.**

"INDEX" flashes for a few seconds on the TV screen. See page 16.

To stop recording

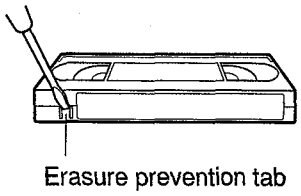
Press ■ STOP.

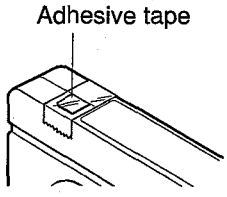
To pause recording

Press II PAUSE/STILL. To resume recording, press II PAUSE/STILL or ●REC/OTR.

To prevent an accidental recording

Break off the erasure prevention tab on the back edge of the cassette. To record over the tape again, cover the gap with adhesive tape.



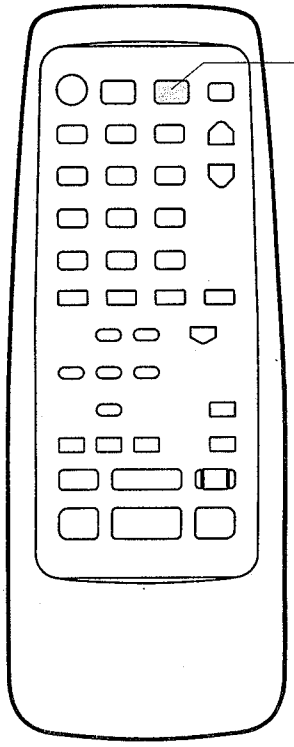


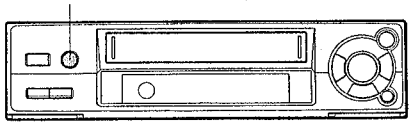
Tip

If you want to record the programme through the line input, press CHANNEL/ MANUAL TRACKING ∧/∨ or 0/ INPUT to display "AV" (from TV connector on the rear) on the TV screen in step 3.

Notes

- If you try to record on a cassette without its erasure prevention tab, the VCR will eject the cassette.
- If recording pause lasts for more than 5 minutes, the VCR will automatically enter stop mode to protect the tape.





Note

One-Touch Playback does not work for recordings of less than 1minute.

Playing back the portion you just recorded – One-Touch Playback

Using One-Touch Playback after VIDEO Plus+ system (page 20) or timer (page 22) is convenient. You can make timer recordings and play back only the portion you just recorded with the timer by pressing a single button later.

1 **Stop recording (when recording without timer).**

ONE-TOUCH PLAYBACK on the VCR lights.

If another operation button is pressed after you stop recording, One-Touch Playback will be cancelled.

2 **Press ONE-TOUCH PLAYBACK on the VCR or OTPB on the remote control.**

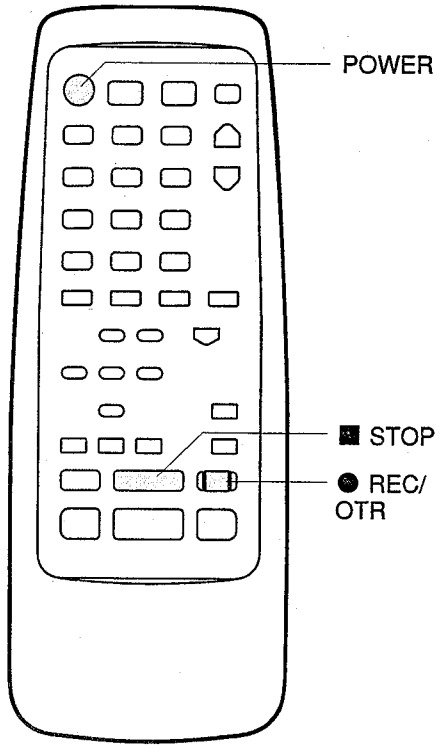
The tape rewinds to the start of the recorded portion and begins playback.

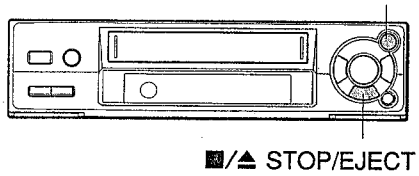
When you set the timer for more than two timer programmes

The VCR starts playing back from the earliest one when you use One-Touch Playback.

To find the beginning of the second (or later) programme, use Index Search (page 16).

Recording with One-Touch Recording





You can immediately start recording the current channel position for a specified time with One-Touch Recording.

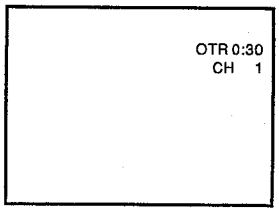
Before starting

- Insert a cassette with its erasure prevention tab in place. Make sure the tape is longer than the recording time.
- Turn on the TV and set it for VCR reception.
- Select the channel to record and tape speed.

1 **Press ● REC/OTR.**

The VCR starts recording.

2 **Press ● REC/OTR repeatedly to set the recording duration.**



Each press changes the recording duration on the TV screen and in the display window in the following way:

When the tape speed is selected SP

0:30 → 1:00 → 1:30 → 2:00 → 3:00 → Normal recording ← 5:00 ← 4:00 ←

When the tape speed is selected LP

0:30 → 1:00 → 1:30 → 2:00 → 3:00 → Normal recording ← 10:00 ← ····· ← 4:00 ←

The recording time indicator in the display window counts down to "0:00."

The recording stops at "0:00" and the VCR turns off.

To stop or turn off the power while recording

Press ■ STOP on the remote control, ■/⏏ STOP/EJECT on the VCR or POWER .

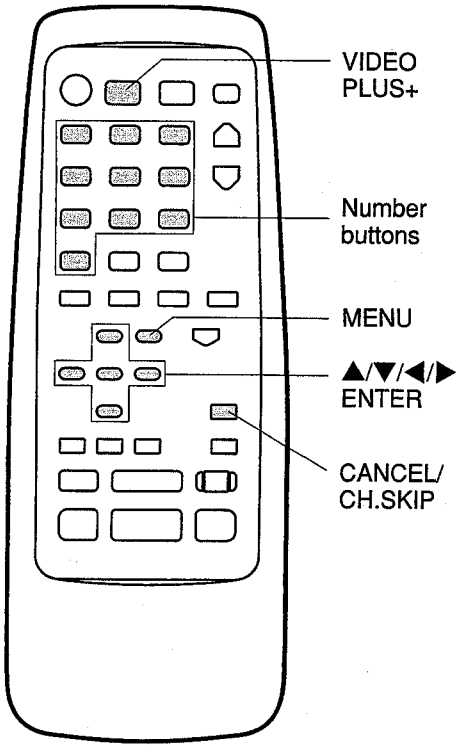
Note

During One-Touch Recording, when the tape reaches the end, ⏍ flashes in the display window.

To extend the recording duration while recording

Press ● REC/OTR until the new duration you want appears.

Setting the timer with VIDEO Plus+ system



You can greatly simplify timer recordings with VIDEO Plus+ system. Just enter VIDEO Plus+ programming number, a number assigned to each TV programme, and the VCR will set the timer recording automatically. You can find VIDEO Plus+ programming number in most TV guide magazines. You can set up to 8 programmes.

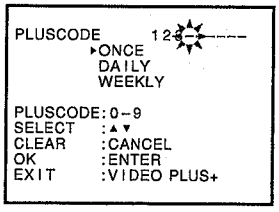
Before setting the timer

- Check that the VCR clock is set correctly.
- Check that the correct channel position is assigned to the correct TV station (see page 10).
- Insert a cassette with its erasure prevention tab in place. Make sure the tape is longer than the recording time.
- Turn on the TV and set it for VCR reception.
- To set the timer for a satellite or cable TV channel, check that the satellite (or cable) receiver is turned on and the channel you want to record is selected.

1 Press VIDEO PLUS+.

2 Enter the VIDEO Plus+ programming number of the TV programme you want to record using the number buttons.

If you make a mistake, press CANCEL/CH. SKIP, then enter the correct number.

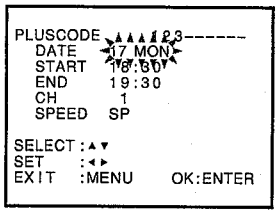


3 Press ▲/▼ to select ONCE, DAILY or WEEKLY.

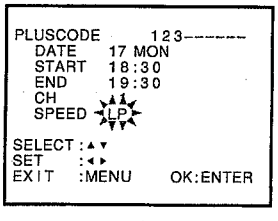
To record	Select
A single programme	ONCE
Daily programme from Monday to Friday	DAILY
Daily programme from Monday to Saturday	
Daily programme from Sunday to Saturday	
Weekly programme such as every Monday	WEEKLY

4 Press ENTER.

- The following timer information appears on the TV screen: date, start and end time, channel position and tape speed.
- If you want to change the recording time or if you selected DAILY in step 3, see "Changing the settings" on page 22.
- If you selected WEEKLY in step 3, "WKL – the day of the week" appears instead of the date. (e.g. "WKL – MON" represents Every Monday.)



5 Press ▼ repeatedly until the tape speed flashes, then press ◀/▶ to select the tape speed, SP or LP.

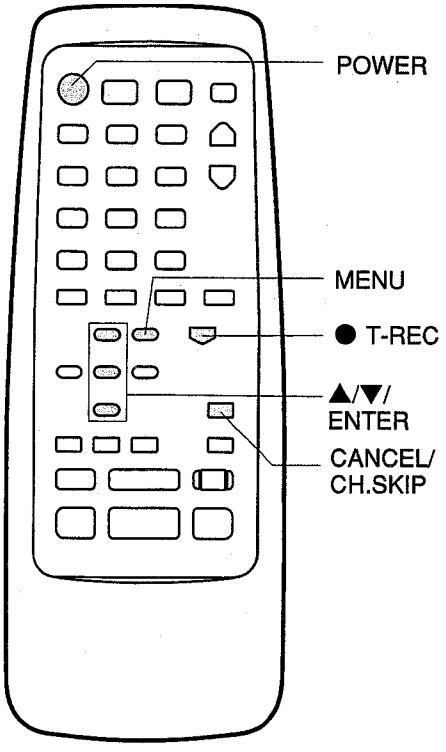


Tips

- If "PROGRAM FULL" flashes and the timer programme list appears in step 1, 8 programmes are already set. Cancel an unnecessary programme.
- When the power supply is interrupted for more than 30 minutes, the preset programme is cleared. In this case, you have to set the clock and the timer again.

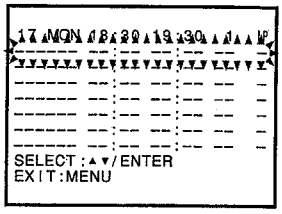
Notes

- VIDEO Plus+ system will add a safety margin to the set recording time. The VCR will begin recording 20 seconds before the set recording time except when another timer recording overlaps the safety margin.
- The cable TV or satellite programmes will be recorded through channel position 6 when the VCR is connected to the cable TV or satellite receiver with the aerial cable.
- The programme will be stored into memory if you do not operate the unit for one minute after step 4.



6 **Check that the timer settings are correct, then press ENTER.**

The timer programme list appears.



7 **Press MENU twice to return to the normal screen.**

8 **If you want to set another programmes, repeat from step 1.**

9 **Press ● T-REC or POWER to turn off the VCR.**

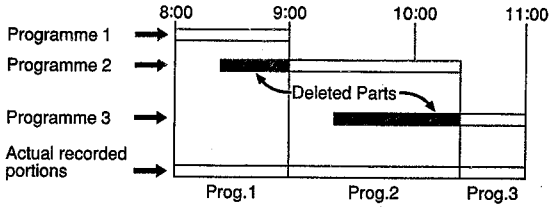
- ⏍ appears in the display window, and the VCR stands by for timer recording.
- If ⏍ flashes, a cassette is not inserted.
- If ⏍ flashes and the cassette is ejected, the cassette's erasure prevention tab has been removed.

To cancel a programme

Select TIMER REC SET in the menu. And press ▲/▼ to select an unnecessary programme, then press CANCEL/CH.SKIP.

If the programme overlaps another

The overlapped portions will be deleted. The programme listed first on the timer programme setting screen has priority over the succeeding programme as illustrated.



Caution

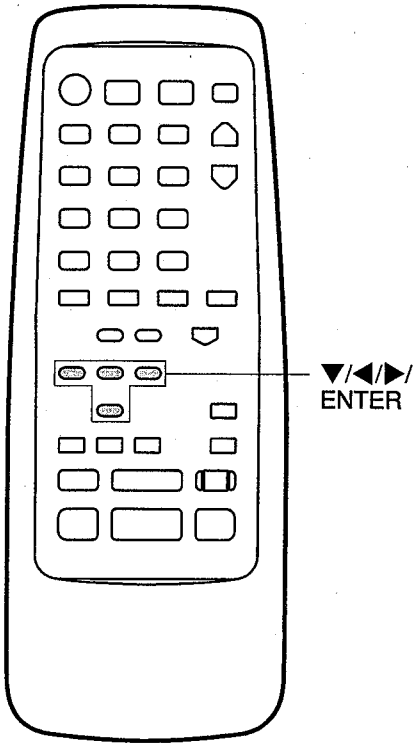
When ⏍ lights, the other tape functions are not operable. To operate the others, press ● T-REC. However, remember to press it again to activate timer recordings.

Tip

To confirm the settings, select TIMER REC SET in the menu to display the timer programme list. Press MENU twice to return to the normal screen.

Note

During timer recording, when the tape reaches the end, ⏍ flashes in the display window.

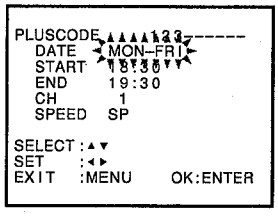


Changing the settings

You can change any of setting while in step 4 on page 20.

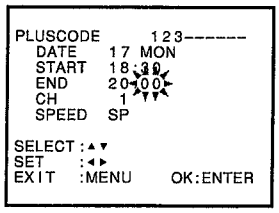
To set the daily programme

Press ◀/▶ repeatedly to display the desired daily programme as follows:
MON-FRI : Monday to Friday
MON-SAT : Monday to Saturday
SUN-SAT : Everyday

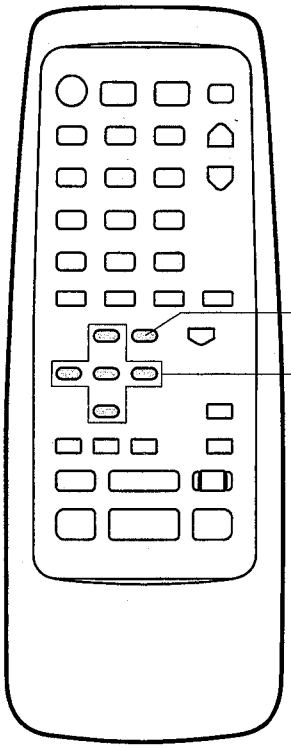


To change the recording time

Press ▼ repeatedly until the start or end time setting flashes, then press ◀/▶ to select the desired time.



Setting the timer manually



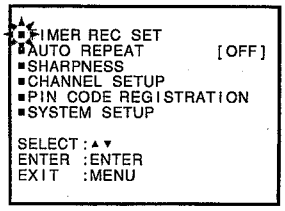
If you cannot use VIDEO Plus+ system, you can set the timer manually. You can set up to 8 programmes within one month of the current date.

Before setting the timer

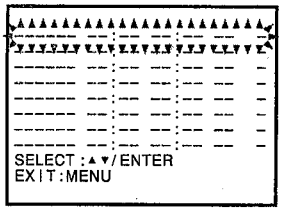
- Check that the VCR clock is set correctly.
- Insert a cassette with its erasure prevention tab in place. Make sure the tape is longer than the recording time.
- Turn on the TV and set it for VCR reception.
- To set the timer for a satellite or cable TV channel, check that the satellite (or cable) receiver is turned on and the channel you want to record is selected.

1 **Press MENU.**

2 **Press ▲/▼ to select TIMER REC SET, then press ENTER.**

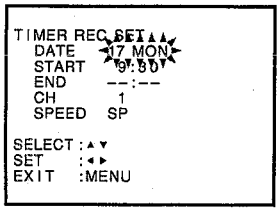


3 **Press ▲/▼ to select the line on which no programme has been set, then press ENTER.**

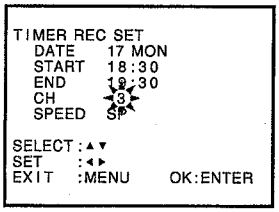


4 **Press ◀/▶ to select the date, then press ▼.**

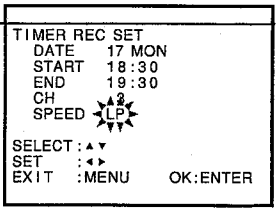
If you want to set daily/weekly recordings, see page 24.



5 **Set the start time (hours and minutes), end time (hours and minutes) and channel position in the same way as in step 4.**

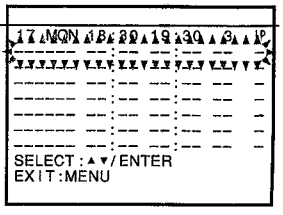


6 **Press ◀/▶ to select the tape speed, SP or LP.**



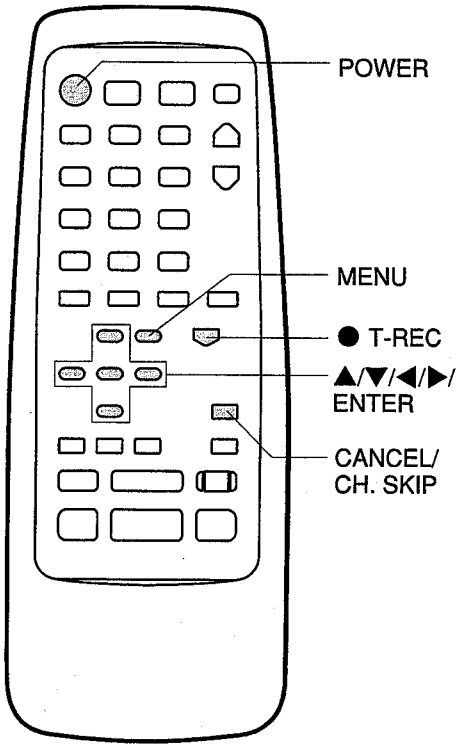
7 **Check that the timer settings are correct, then press ENTER.**

The timer programme list appears.



Tips

- If you want to record the programme through the line input, press ◀/▶ to display "AV" (from TV connector on the rear) in step 5 instead of the channel position.
- When the power supply is interrupted for more than 30 minutes, the preset programme is cleared. In this case, you have to set the clock and the timer again.



8 **If you want to set another programme, repeat steps 3 through 7.**

9 **Press MENU twice to return to the normal screen.**

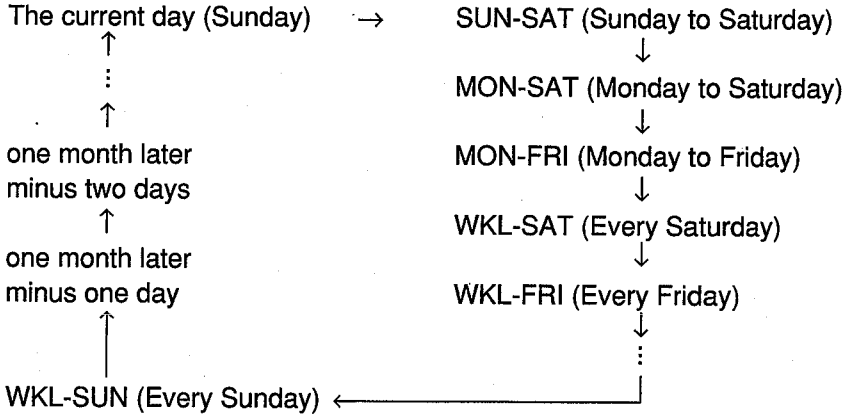
10 **Press ● T-REC or POWER to turn off the VCR.**

- ⊡ appears in the display window, and the VCR stands by for timer recording.
- If ⊡ flashes, a cassette is not inserted.
- If ⊡ flashes and the cassette is ejected, the cassette's erasure prevention tab has been removed.

To set the daily/weekly timer

In step 4, press ◀ repeatedly before pressing ▼.
The setting changes as follows:

Example



Press ▶ to change the display in reverse order.
After setting, press ▼.

To correct the data while setting

Before pressing ENTER in step 7, press ▲/▼ until the item you want to correct flashes, then press ◀/▶ to set the correct data.

To cancel a programme

Select TIMER REC SET in the menu. And press ▲/▼ to select an unnecessary programme, then press CHANCEL/CH.SKIP.

Caution

When ⊡ lights, the other tape functions are not operable. To operate the others, press ● T-REC. However, remember to press it again to activate timer recordings.

Tip

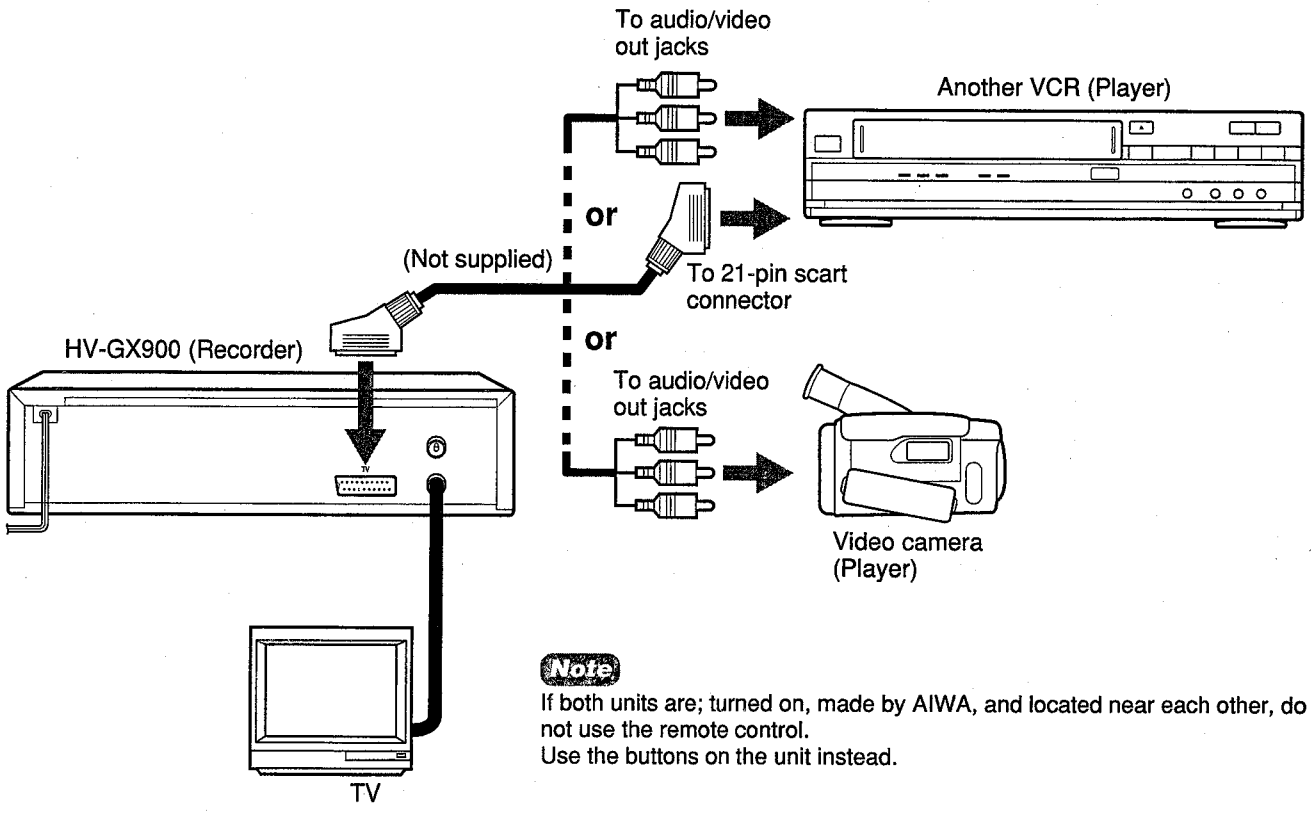
To confirm the settings, select TIMER REC SET in the menu to display the timer programme list. Press MENU twice to return to the normal screen.

Note

During timer recording, when the tape reaches the end, ⊡ flashes in the display window.

Dubbing

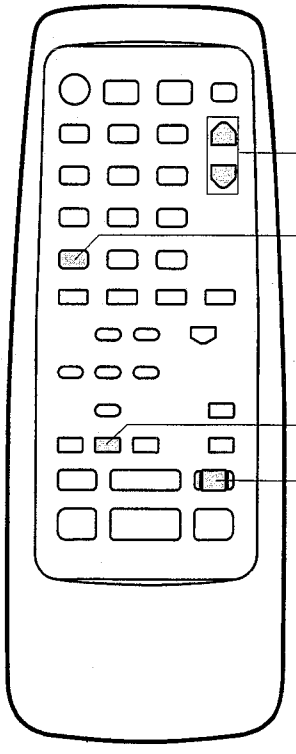
Connecting with another VCR



Note

If both units are; turned on, made by AIWA, and located near each other, do not use the remote control.
Use the buttons on the unit instead.

Operation



Before dubbing

Turn on the TV, and set it for VCR reception.

1 **Insert a pre-recorded source cassette into another (playback) VCR.**

2 **Insert a blank cassette with its erasure prevention tab in place into your HV-GX900 (recording).**

3 **Press 0/INPUT to display "AV" on the TV screen.**

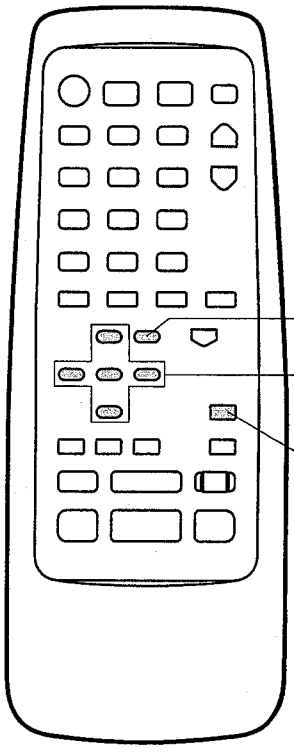
When using the buttons on the VCR, press CHANNEL/MANUAL TRACKING ∧/∨ repeatedly.

4 **Press SPEED to select SP or LP.**

5 **Set the other VCR to playback.**

6 **Press ● REC/OTR on the recording VCR.**

Setting the Security Protection — Anti-Theft



This Anti-Theft function limits the number of users. To set the Anti-Theft function, register your name, your post code, and the PIN code into this VCR, then set the Protection to lock the VCR.

Registering your name

1 **Press MENU.**

2 **Press ▲/▼ to select PIN CODE REGISTRATION, then press ENTER.**

```
■TIMER REC SET
■AUTO REPEAT          [OFF]
■SHARPNESS
■CHANNEL SETUP
■PIN CODE REGISTRATION
■SYSTEM SETUP

SELECT :▲▼
ENTER  :ENTER
EXIT   :MENU
```

3 **Press ENTER.**

```
WELCOME TO
AIWA VIDEO
PLEASE REGISTER OWNER'S
NAME,POST CODE AND
PIN CODE


ENTER :ENTER    EXIT:MENU
```

4 **Press ▲/▼ to select OWNER'S NAME, then press ENTER.**

```
PIN CODE REGISTRATION
■OWNER'S NAME
  _____________________
■POST CODE ___________
■PIN CODE ----
■PROTECT              [OFF]

SELECT :▲▼
ENTER  :ENTER    EXIT:MENU
CLEAR  :CANCEL
```

5 **Press ▲ to display the desired letter, then press ▶.**

The display changes as follows:

A →... → Z → 0 → ... 9 → . → /
↑—— (space) ← – ← + ←——┘

Press ▼ to change the display in reverse order.

```
PIN CODE REGISTRATION
■OWNER'S NAME
  S_____________________
■POST CODE ___________
■PIN CODE ----
■PROTECT              [OFF]

SELECT :▲▼/◀▶
ENTER  :ENTER    EXIT:MENU
CLEAR  :CANCEL
```

6 **Repeat step 5 to enter your name.**

You can enter up to 20 letters.

The entered name may need to certify the owner. Make sure that your name is entered correctly.

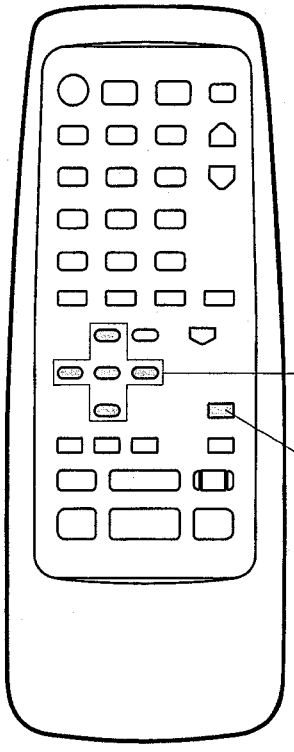
```
PIN CODE REGISTRATION
■OWNER'S NAME
  SMITH_______________
■POST CODE ___________
■PIN CODE ----
■PROTECT              [OFF]

SELECT :▲▼/◀▶
ENTER  :ENTER    EXIT:MENU
CLEAR  :CANCEL
```

7 **Press ENTER.**

You can register your post code.

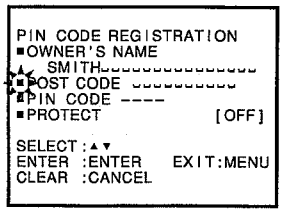
Tip

To cancel all letters in step 6, press CANCEL/CH.SKIP. To correct a letter, press ◀ repeatedly until the letter you want to correct flashes, then press ▲/▼ to display the correct letter.



Registering your post code

1 **In the PIN CODE REGISTRATION menu, press ▲/▼ to select POST CODE, then press ENTER.**

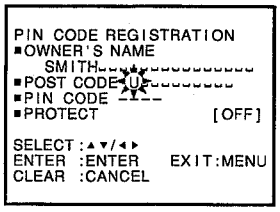


2 **Press ▲ to display the desired letter, then press ▶.**

The display changes as follows:

A →... → Z → 0 → ... 9 → . → /
↑—— (space) ← – ← + ←——┘

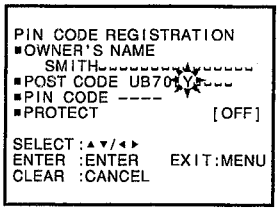
Press ▼ to change the display in reverse order.



3 **Repeat step 2 to enter your post code.**

You can enter up to 10 letters.

The entered post code may need to certify the owner. Make sure that the post code is entered correctly.

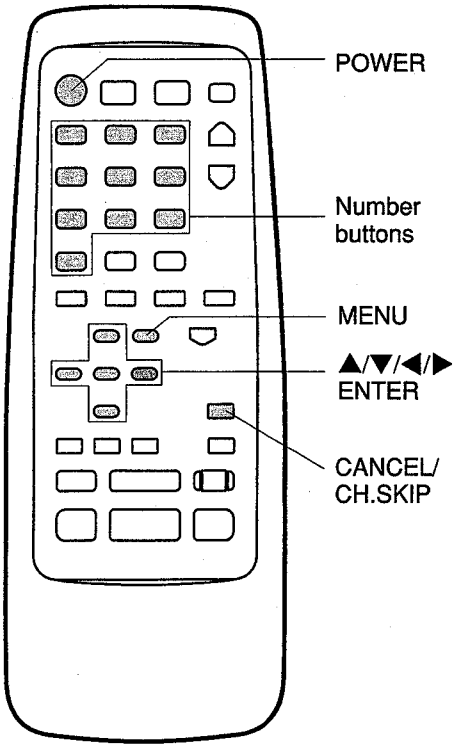


4 **Press ENTER.**

You can register the PIN code.

Tip

To cancel all letters in step 3, press CANCEL/CH.SKIP. To correct a letter, press ◀ repeatedly until the letter you want to correct flashes, then press ▲/▼ to display the correct letter.



Registering your PIN code

Caution

You cannot operate the VCR if you forget the pin code. We recommend you write down the PIN code number on the supplied "ANTI-FEATURE" sheet and keep it in a safe place in case you forget it.

1 **In the PIN CODE REGISTRATION menu, press ▲/▼ to select PIN CODE, then press ENTER.**

```
PIN CODE REGISTRATION
▪OWNER'S NAME
   SMITH
▪POST CODE UB70LY
▪PIN CODE ----
▪PROTECT              [OFF]

SELECT :▲▼
ENTER  :ENTER    EXIT:MENU
CLEAR  :CANCEL
```

2 **Enter the PIN code (4 digits) using the number buttons, then press ENTER.**

```
PIN CODE REGISTRATION
▪OWNER'S NAME
   SMITH
▪POST CODE UB70LY
▪PIN CODE 1234
▪PROTECT              [OFF]

SELECT :◀▶/0-9
ENTER  :ENTER    EXIT:MENU
CLEAR  :CANCEL
```

3 **Press ENTER or ◀/▶ to set PROTECT to ON.**

If the PIN code is not registered, you cannot select PROTECT.

```
PIN CODE REGISTRATION
▪OWNER'S NAME
   SMITH
▪POST CODE UB70LY
▪PIN CODE 1234
▪PROTECT              [ ON]

SELECT :▲▼/◀▶
ENTER  :ENTER    EXIT:MENU
```

4 **Press MENU twice to return to the normal screen.**

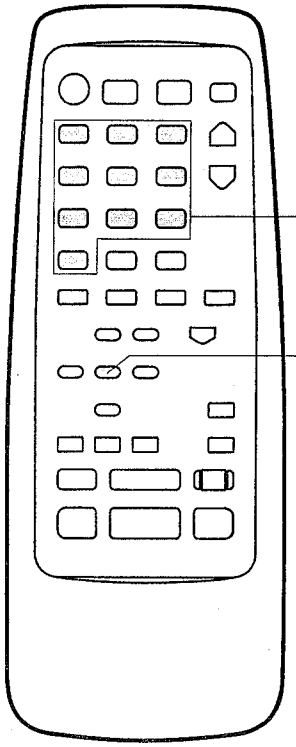
5 **Press POWER to turn off the VCR and disconnect the mains lead from the mains.**

The VCR will be locked after 3 minutes.

When you reconnect the mains lead to the mains and press POWER to turn on the VCR after VCR is locked, the VCR does not work until you enter the PIN code.

Tip

To cancel all numbers in step 2, press CANCEL/CH.SKIP. To correct a number, press ◀ repeatedly until the number you want to correct flashes, then press the number buttons to display the correct number.



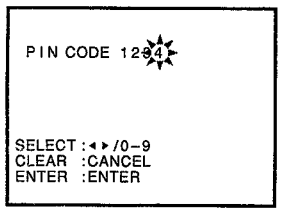
Using the VCR after the VCR is locked

If you forget your PIN code number, please contact the Aiwa Customer Helpline on 0990 902 902 or your Retailer.

1 **After setting the Anti-Theft function, and you reconnect the mains lead to the mains after more than 3 minutes, "PIN CODE" display appears when you press POWER to turn on the VCR.**

2 **Enter your PIN code using the number buttons, then press ENTER.**

If you enter the correct PIN code, "PIN CODE OK" will be displayed on the TV screen, and you can operate the VCR.



If you enter the PIN code incorrectly

If you enter the PIN code incorrectly, "PIN CODE ERROR" will appear on the TV screen.

If you enter the pin code incorrectly more than 3 times, the Anti-Theft function will activate, and you will not be able to enter the pin code. The VCR will not be unlocked after it is locked even though you reconnect to the mains.

To enter the PIN code again

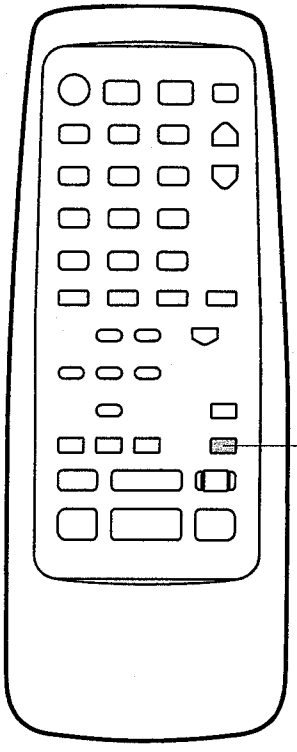
Reconnect the mains lead to the mains more than 3 minutes later after you disconnect it.

Note

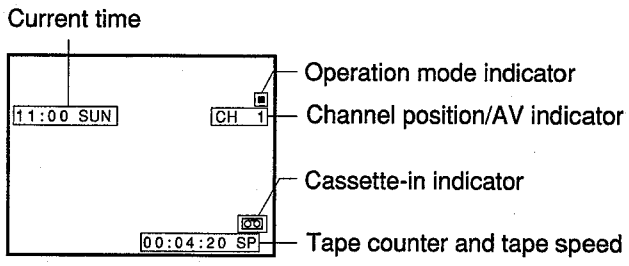
"PIN CODE" display does not appear in the following cases:

- When you turn on and off by pressing POWER.
- When you reconnect the mains lead to the mains in 3 minutes after you disconnect it.

On-screen display



Identifying the on-screen display items



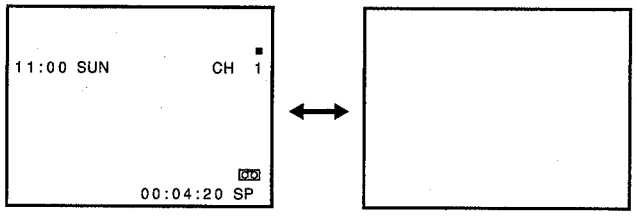
Operation mode indicator

The current tape operation is indicated with the following marks:

- ►: Play
- ◄◄: Rewind
- ►►: Fast-forward
- ⏏: Cassette eject
- ●: Recording
- ❚❚: Recording pause
- ■: Stop

Changing the on-screen function display

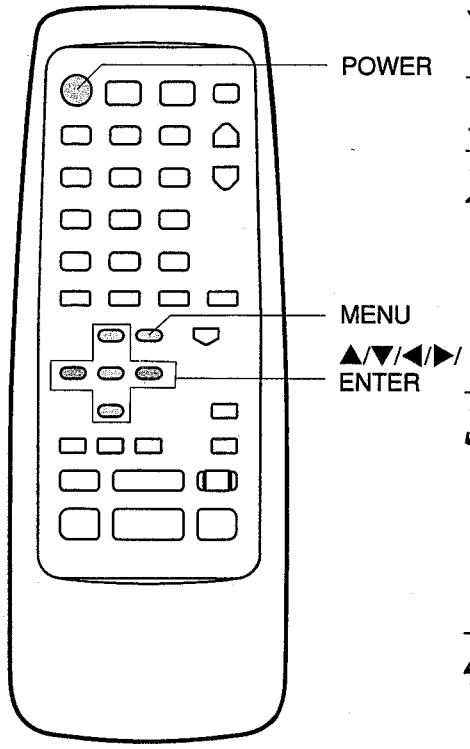
Press CALL. Each time you press the button, the on-screen display turns on or off.



Note

The operation mode indicator and cassette-in indicator appear only when a cassette is inserted.

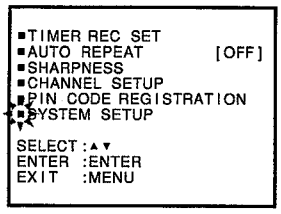
Setting the power save mode



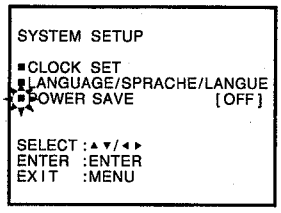
You can reduce the power spending during the standby mode.

1 **Press MENU.**

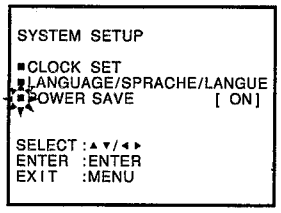
2 **Press ▲/▼ to select SYSTEM SETUP, then press ENTER.**



3 **Press ▲/▼ to select POWER SAVE.**



4 **Press ENTER or ◀/▶to display ON.**



5 **Press MENU twice to return to the normal screen.**

6 **Press POWER to turn off the VCR.**

The display window turns off and the VCR stands for the power save mode.

The power consumption during power save mode is approximately 3 W.

Note

If the VCR is set to make a timer recording, the VCR does not go into the power save mode even if the POWER SAVE is set to ON.

To cancel power save mode

Press ENTER to display OFF in step 4 above.

Troubleshooting

If the unit does not seem to operate properly, read the instructions again, then check the table below.

Symptom	Solution
The POWER button does not operate.	Make sure the mains lead is connected securely.
The playback picture is noisy.	• Make sure the TV is set to the video channel or video input. • Adjust the tracking manually when the tape quality is poor. • Although the unit cleans the video heads automatically, dirt may be accumulated after a long period of use. Clean the video heads with a commercially available video heads cleaning tape. • Make sure all the connections with the VCR are made correctly and securely.
There is no playback picture.	Set the TV to the video channel or video input.
TV reception is noisy or there is no TV reception.	• Connect the VCR to the aerial and TV correctly and securely. • Move the VCR away from the TV set.
Tape operation buttons do not work while the power is on and the cassette is inserted.	Moisture condensation may have occurred. Wait for about two hours until the moisture evaporates completely before you operate the VCR.
Abnormal operation has occurred.	External interference may have affected the internal microprocessor. Disconnect the mains lead from the mains outlet. Wait a few seconds, then connect it again.
The remote control does not operate.	Replace both batteries with new ones.
There is no sound.	Connect the VCR correctly and securely.
The timer does not operate.	• Set the VCR clock correctly. • Check that the correct channel position is assigned to the correct TV station.
No clock display during power-off.	The VCR is in power save mode.

Specifications

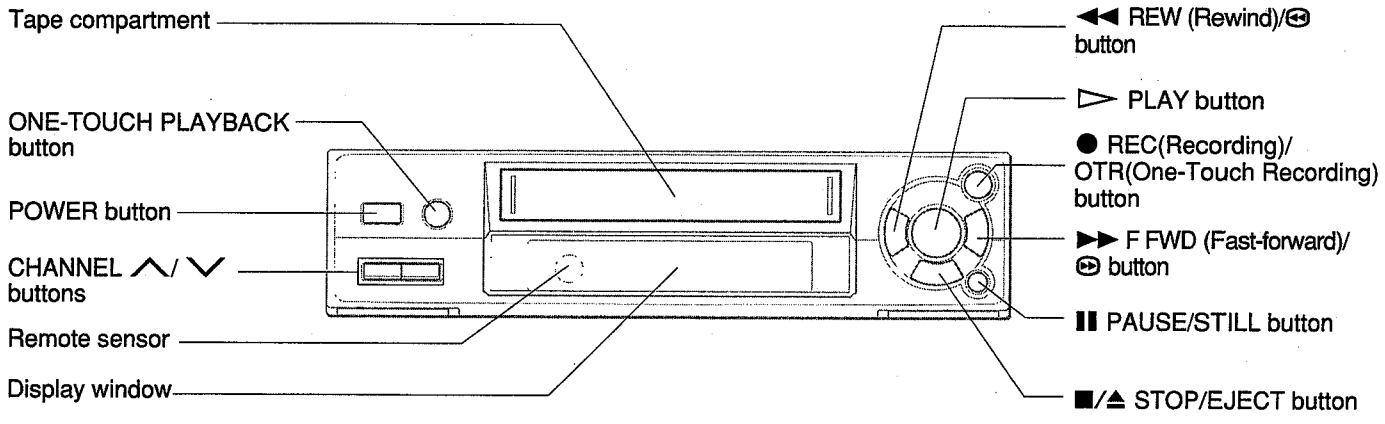
Video recording system		
		Rotary 2 head helical scanning system
Video head		Azimuth 2 heads
Tuner system		Frequency synthesized tuner
TV system		I
Video signal system		PAL colour system, 625 lines, 50 fields
Usable cassettes		VHS video cassette
Recording/playback time		
	PAL	SP: 5 hours with E-300 tape
		LP: 10 hours with E-300 tape
	NTSC (playback only)	
		SP: 3 hours 30 minutes with T-210 tape
		LP: 7 hours with T-210 tape
		EP: 10 hours 30 minutes with T-210 tape
Tape speed	PAL	SP: 23.39 mm/sec
		LP: 11.69 mm/sec
	NTSC (playback only)	
		SP: 33.35 mm/sec
		LP: 16.67 mm/sec
		EP: 11.12 mm/sec
Rewind time		108 seconds with E-180 tape (Approx.)
Fast forward time		135 seconds with E-180 tape (Approx.)
Channel coverage		UHF: 21 to 69
RF output		UHF channels between 23 and 69, 73 dBμ
Video input		1.0 Vp-p, 75 ohm, unbalanced
Video output		1.0 Vp-p, 75 ohm, unbalanced
Horizontal resolution		240 lines
Video S/N		53 dB (nominal)
Audio track		1 track (Mono)
Audio input		–3.8 dBs, 50 Kohm
Audio output		–3.8 dBs, less than 1 Kohm

Timer backup	30 minutes
Operating temperature	5°C to 40°C
Power requirements	230 V AC, 50 Hz
Power consumption	14 W
	Standby at Power save mode: 3 W
Dimensions	380(W) × 95(H) × 267(D) mm
	(15 × 3¾ × 10⅝ in.)
Weight	3.5 Kg (7.7 lbs.)
Supplied accessories	Aerial cable (1)
	Batteries (2)
	Remote control (1)

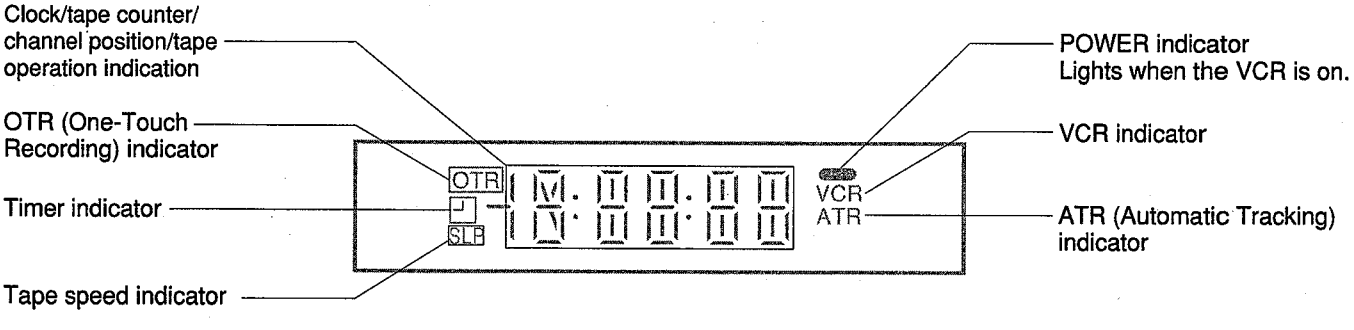
Design and specifications are subject to change without notice for the purpose of performance improvement.

Parts and controls

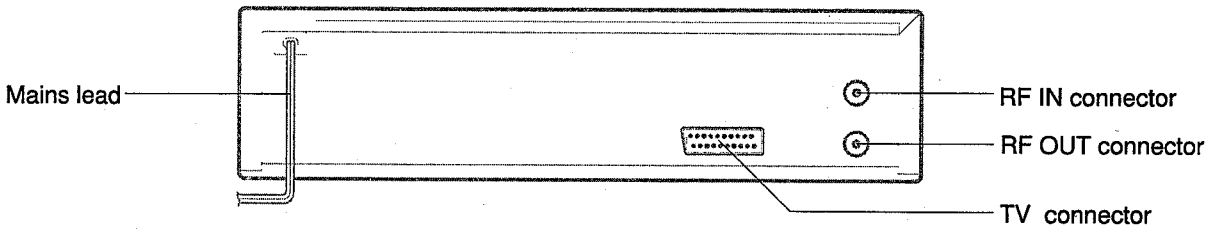
Front panel



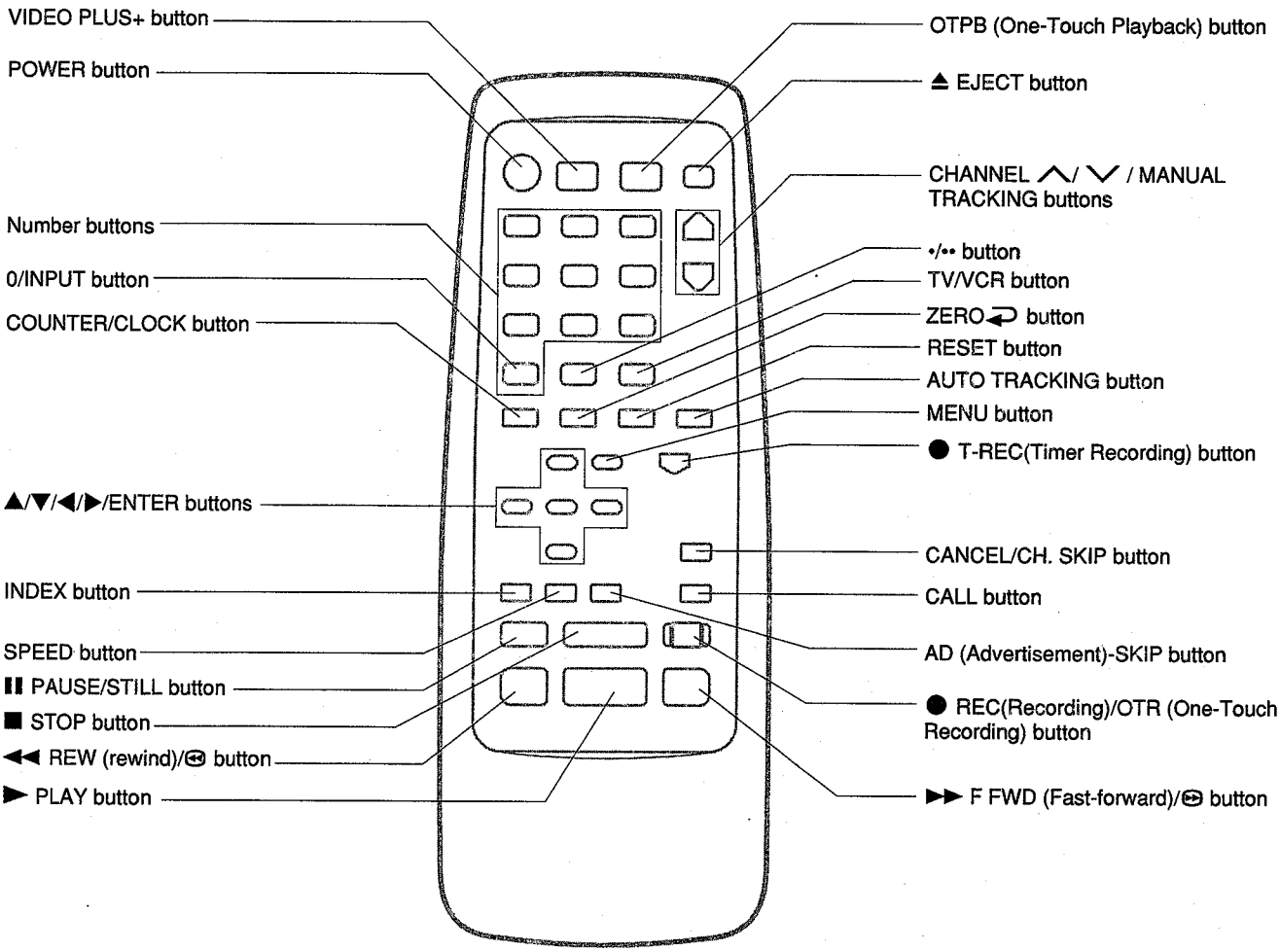
Display window



Rear panel



Remote control



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